

## ABSTRACT

The invention provides a bus interface converter for converting from AMBA AHB bus protocol to i960-like bus protocol. The converter comprises an AHB interface which can accomplish interface processing for AMBA AHB bus protocol; an i960-like interface which can accomplish interface processing for i960-like bus protocol; and a main controller which can accomplish protocol converting between the AHB interface and the i960-like interface, wherein the AHB interface comprises an AHB bus signal register module which can judge and register control signal from AMBA AHB bus; and an AHB bus signal response module which can generate corresponding response indicating signal of AMBA AHB bus protocol.